



January 15, 2014

Illinois Environmental Protection Agency  
Permit Section  
Bureau of Land – #33  
P.O. Box 19276  
Springfield, Illinois 62794-9276

US EPA RECORDS CENTER REGION 5



468890

Re: 2018080001 – Winnebago County  
Winnebago Reclamation Service - Northern and Southern Units  
Permit No. 1991-138-LF  
Fourth Quarter 2013 Potential Observed Increases

Dear Correspondent:

In accordance with the applicable conditions of the permit, a groundwater monitoring review has been conducted on the fourth quarter 2013 monitoring results. Parameters indicating "observed increases" from the Southern and Northern Units are listed in Tables 1 and 2, respectively.

The sample results from each unit well network have been reviewed pursuant to Condition VII.13 of Permit No. 1991-138-LF, Modification No. 65. Confirmation sampling will be completed in accordance with Condition VII.14 of the above referenced permit.

If you have any questions or require further information, please contact Mr. Tom Hilbert at (815) 963-7516. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Teresa N. Sharp".

Teresa N. Sharp  
Environmental Scientist

TNS:tns:slm

Enclosures

cc: Tom Hilbert – Rock River Environmental Services  
Bernie Schorle – US EPA Region 5

**Table 1**  
**Winnebago Landfill - Southern Unit**  
**Fourth Quarter 2013 Observed Exceedences**

<b>Parameter</b>	<b>Units</b>	<b>4thQtr13</b>	<b>AGQS</b>	<b>Notes</b>
<b>A28D</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>G11D - Upgradient</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>G22D - Upgradient</b>				
Oil (Hexane Soluble)	mg/l	< 5.5	5	
<b>G23D</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>G26D</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>G26S</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>G29D - Upgradient</b>				
Oil (Hexane Soluble)	mg/l	< 5.4	5	
<b>G49D</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>R11S - Upgradient</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>R22S - Upgradient</b>				
Oil (Hexane Soluble)	mg/l	< 5.5	5	
<b>R24D</b>				
Oil (Hexane Soluble)	mg/l	< 5.2	5	
<b>R25D</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>R27D</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>R29S - Upgradient</b>				
Oil (Hexane Soluble)	mg/l	< 5.4	5	

Notes:

1. Elevated reporting limit for Oil (Hexane Soluble) due to limited sample volume.

**Table 2**  
**Winnebago Landfill - Northern Unit**  
**Fourth Quarter 2013 Observed Exceedences**

<i>Parameter</i>	<i>Units</i>	<i>4thQtr13</i>	<i>AGQS</i>	<i>Notes</i>
<b>G09D - Upgradient</b>				
** 1,2-Dichlorobenzene	ug/l	5.4	5	
** Benzene	ug/l	4.1	2.8	
** Chlorobenzene	ug/l	29	5	
Oil (Hexane Soluble)	mg/l	< 5.8	5	
<b>G09M - Upgradient</b>				
** 1,2-Dichlorobenzene	ug/l	1.5	5	Exceeds Preceding (below AGQS)
** Benzene	ug/l	3.1	2.8	
** Chlorobenzene	ug/l	8.1	5	
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>G13D - Upgradient</b>				
** Acetone	ug/l	5.1	10	Exceeds Preceding (below AGQS)
** Chlorobenzene	ug/l	4.7	5	Exceeds Preceding (below AGQS)
** Phenolics	ug/l	5.3	100	Exceeds Preceding (below AGQS)
Sulfate, dissolved	mg/l	760	360	
<b>G13S - Upgradient</b>				
Acetone	ug/l	8	10	Exceeds Preceding (below AGQS)
** Benzene	ug/l	3.5	2.8	
** Chlorobenzene	ug/l	24	5	
Oil (Hexane Soluble)	mg/l	< 5.7	5	
<b>G20D - Upgradient</b>				
Oil (Hexane Soluble)	mg/l	< 5.5	5	
<b>G03M</b>				
Oil (Hexane Soluble)	mg/l	< 5.5	5	
<b>G130</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>G16D</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>G16M</b>				
Oil (Hexane Soluble)	mg/l	< 5.7	5	
<b>G33D</b>				
Oil (Hexane Soluble)	mg/l	< 5.5	5	
<b>G33S</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	

Notes:

1. \*\* indicates exceedence has previously been addressed and approved by either Permit Modification No. 46, 51, 55, 59, or 62.
2. Elevated reporting limit for Oil (Hexane Soluble) due to limited sample volume.

**Table 2**  
**Winnebago Landfill - Northern Unit**  
**Fourth Quarter 2013 Observed Exceedences**

<i>Parameter</i>	<i>Units</i>	<i>4thQtr13</i>	<i>AGQS</i>	<i>Notes</i>
<b>G34D</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>G34S</b>				
Oil (Hexane Soluble)	mg/l	< 5.4	5	
<b>G35D</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>G35S</b>				
Oil (Hexane Soluble)	mg/l	< 5.4	5	
<b>G36S</b>				
Oil (Hexane Soluble)	mg/l	< 5.5	5	
<b>G37D</b>				
Oil (Hexane Soluble)	mg/l	< 5.9	5	
<b>G37S</b>				
Oil (Hexane Soluble)	mg/l	< 6	5	
<b>G38S</b>				
Oil (Hexane Soluble)	mg/l	< 5.7	5	
<b>G41D</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>G41S</b>				
Oil (Hexane Soluble)	mg/l	< 5.4	5	
<b>G50S</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>R03S</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>R42S</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>G52S</b>				
Oil (Hexane Soluble)	mg/l	< 5.4	5	
<b>G53M</b>				
Oil (Hexane Soluble)	mg/l	< 5.6	5	
<b>G53S</b>				
Oil (Hexane Soluble)	mg/l	< 5.4	5	

Notes:

1. \*\* indicates exceedence has previously been addressed and approved by either Permit Modification No. 46, 51, 55, 59, or 62.
2. Elevated reporting limit for Oil (Hexane Soluble) due to limited sample volume.

**Table 2**  
**Winnebago Landfill - Northern Unit**  
**Fourth Quarter 2013 Observed Exceedences**

<i>Parameter</i>	<i>Units</i>	<i>4thQtr13</i>	<i>AGQS</i>	<i>Notes</i>
<b>G54M</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	
<b>G54S</b>				
Oil (Hexane Soluble)	mg/l	< 5.3	5	

**Notes:**

1. \*\* indicates exceedence has previously been addressed and approved by either Permit Modification No. 46, 51, 55, 59, or 62.
2. Elevated reporting limit for Oil (Hexane Soluble) due to limited sample volume.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
SOLID WASTE REPORTING FORM

This form must be used as a cover for the following list of notices and reports required by the Illinois EPA's Bureau of Land, Permit Section. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form must be used for Solid Waste facilities only. Reporting for Hazardous Waste facilities should be submitted on a separate Hazardous Waste Reporting Form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form may NOT be used for any request to modify the permit, sampling or operating procedures. Modification requests must be submitted separately in the form of a permit application.

This form is not to be used with permit applications. Your permit will state whether the document you are submitting is required as a report or an application.

Facility Name: Winnebago Landfill - Northern and Southern Units

Site ID#: 2018080001

Check one of the following, identifying the contents of your submittal:

- ☐ LPC-160 Forms
- |   |   |
|---|---|
| <input type="checkbox"/> Quarterly Groundwater Data | <input type="checkbox"/> Semi-Annual Groundwater Data |
| <input type="checkbox"/> Quarterly Leachate Data    | <input type="checkbox"/> Semi-Annual Leachate Data    |
| <input type="checkbox"/> Annual Groundwater Data    | <input type="checkbox"/> Biennial Groundwater Data    |
| <input type="checkbox"/> Annual Leachate Data       | <input type="checkbox"/> Biennial Leachate Data       |
- ☐ Annual Groundwater Flow Evaluation ☐ Well Survey Data
- ☐ Well Construction Forms and Boring Logs ☐ Well Abandonment Forms
- ☒ Notice of Observed Increase in Groundwater  
Notice of Intent to Perform Confirmation Procedures (Re-sampling) in Groundwater
- ☐ Notice of Confirmed Increase of Groundwater Exceedence from Re-sample
- ☐ Notice of Methane Exceedences
- ☐ Annual Facility Report (per 35 Ill. Adm. Code 813.504) and Gas Monitoring Report
- ☐ Annual Certifications per 35 Ill. Adm. Code 813.501
- ☐ Other (identify): Not to be used for Permit Applications